

P.22



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/309,360	05/11/1999	MARIO LIM	50329-015	7396

7590 01/28/2004

HICKMAN PALERMO TRUONG & BECKER LLP  
1600 WILLOW STREET  
SAN JOSE, CA 95125-5106

EXAMINER
----------

JACKSON, JENISE E

ART UNIT	PAPER NUMBER
----------	--------------

2131

11

DATE MAILED: 01/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/309,360

Applicant(s)

LIM ET AL.

Examiner

Jenise E Jackson

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by McManis.
3. As per claims 1, 4, 13, 16, 25, 28, McManis discloses a method of securely invoking an access control function(see col. 1, lines 65-67, col. 2, lines 1-11), receiving a digital signature for the access control function(see col. 2, lines 22-31); generating a mapping of the access control function to the digital signature; determining that the digital signature is mapped to the access control function based on the mapping when execution of the access control function is requested(see col. 2, lines 12-21); determining whether an executable element(i.e. program module B) matches the access control function based on the digital signature; and executing the executable element only when the executable element matches the access control function(see col. 2, lines 22-36, col. 3, lines 8-25, 65-67, col. 4, lines 1-6). The Examiner asserts that McManis discloses wherein a particular class defines an implementation of the access control function, because McManis discloses methods, specifically method(128)(see col. 3, lines 11-12). The Examiner asserts that functions in the class typically manipulate the member variables. These member variables are referred to methods of a class. Thus, the methods such as

method(128)(see col. 3, lines 17-25), are a part of the class. The Examiner asserts that these methods determine what the objects of the class do.

4. As per claim 2, wherein a particular class defines an implementation for the access control function; wherein the step of receiving a digital signature includes the step of receiving a digital signature for the particular class; and wherein the step of generating a mapping between the particular class and the digital signature, is inherent in McManis, because McManis discloses each application program object instance includes an object header, at least one digital signature, and a main application procedure, called a method(see col. 3, lines 8-25). The Examiner asserts that McManis discloses a class because McManis discloses a method.

5. As per claims 3, 15, 27, McManis discloses wherein the method further includes the step of detecting that an access control event has occurred; and wherein the step of retrieving the executable element is performed in response to detecting that the event has occurred(see col. 3, lines 59-67, col. 4, lines 1-15).

6. As per claims 7, 14, 26, 31, the method includes generating a mapping of a plurality of access control functions to digital signatures, wherein the plurality of access control functions include the access control function, wherein one or more classes define an implementation for each of the plurality of access control functions; and wherein each of the one or more classes belong to a superclass, because McManis discloses each application program object instance includes an object header, at least one digital signature, and a main application procedure, called a method(see col. 3, lines 8-25). The Examiner asserts that McManis discloses a class, and a superclass, because McManis discloses a method.

7. As per claims 8, 19, 32-33, McManis discloses this inherently because, further including the step of invoking a routine defined by a superclass that collects data to return to a caller of the particular class, because McManis discloses each application program object instance includes an object header, at least one digital signature, and a main application procedure, called a method(see col. 3, lines 8-25). The Examiner asserts that McManis discloses a class, and a superclass, because McManis discloses a method.

8. As per claims 9, 20-21, McManis discloses this is inherent, wherein the step of executing the executable element includes invoking a routine defined for the superclass, because McManis discloses each application program object instance includes an object header, at least one digital signature, and a main application procedure, called a method(see col. 3, lines 8-25). The Examiner asserts that McManis discloses a class, and a superclass, because McManis discloses a method.

9. As per claims 10-12, 22-24, 34-36, McManis inherently discloses byte code, because McManis discloses an application program object instance includes an object header, at least one digital signature, and a main application procedure, called a method(see col. 3, lines 8-25). The Examiner asserts that since McManis discloses a method, and these methods are software. The Examiner asserts that bytecode is inherent, in McManis because the encoding of a computer program(i.e. McManis method), is compiled.

10. As per claims 5-6, 17-18, and 29-30, McManis inherently discloses name-value pairs. The Examiner asserts that with each method that is a corresponding name-value pair(see col. 3, lines 8-25).

***Response To Amendment***

11. As per Applicant's remarks, dated November 14, 2003, the Applicant's arguments are unpersuasive. See below for Examiner's remarks.

12. First, the Applicant states that McManis does not disclose a system wherein a particular class defines an implementation of the access control function. Further, the Applicant states that McManis method is a main application procedure that is being accessed, called by another procedure. The Examiner asserts that McManis discloses wherein a particular class defines an implementation of the access control function, because McManis discloses methods, specifically method(128)(see col. 3, lines 11-12). The Examiner asserts that functions in the class typically manipulate the member variables. These member variables are referred to methods of a class. Thus, the methods such as method(128)(see col. 3, lines 17-25), are a part of the class. The Examiner asserts that these methods determine what the objects of the class do.

13. Second, the Applicant states that McManis does not perform any verification because an external verifier procedure is specified by McManis to perform such a task. The Examiner asserts that the Applicant has not claimed a specific verification method. Second, McManis does disclose verification, because the verifier receives a request message from procedure and decodes digital signature(see col. 4, lines 7-15). The Examiner asserts that the verifier is an object(see col. 4, lines 7-8). The Examiner asserts that an object is an instance of a class.

***FINAL ACTION, NECESSITATED BY AMENDMENT***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jenise E Jackson whose telephone number is (703) 306-0426. The examiner can normally be reached on M-Th (6:00 a.m. - 3:30 p.m.) alternate Friday's.

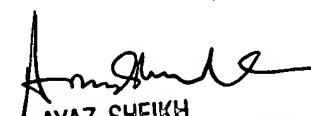
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (703) 305-9648. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-0040 for regular communications and (703) 308-6306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.



\*\*\*

January 24, 2004



AYAZ SHEIKH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100